



**MUNICIPAL WATER USE INSPECTION FORM**

<b>DATE:</b>	September 30, 2004	<b>COMPANY REP:</b>	Eugene Pascal - SAO
<b>LICENSEE:</b>	Hamlet of Aklavik	<b>LICENCE #:</b>	N3L3-0570

**WATER SUPPLY** – Figures 1-2 attached

Source:	Mackenzie River	Quantity Used:	See Annual Reports
Owner/Operator:	Department of Public Works (DPW)		

Indicate:	A - Acceptable	U - Unacceptable	N/A - Not Applicable	N/I - Not Inspected			
Intake Facilities:	A	Storage Structures:	A	Treatment Systems:	A	Chem. Storage:	N/I
Flow Meas. Device:	A	Conveyance Lines:	N/A	Pumping Stations:	A	Modifications:	N/A

Concerns: No concerns during this inspection period.

Notes:

- Chemical storage building (warehouse) was not inspected. Operator did not have the key present.
- Archie Harry is DPW representative running the treatment facility. Archie takes total and residual chlorine. Target for residual chlorine is 0.2-0.3 mg/l.
- Holding tanks were just recently constructed.
- Water meter reading was 11133676L
- Trans-boundary issues with respect to whether Aklavik is the jurisdiction of the ISR or Gwich'in. This should be addressed during Licence Renewal in 2009.

**WASTE DISPOSAL** – Figures 3-8 attached

Sewage	Sewage Treatment System (primary, secondary, or tertiary):		Natural Primary Lagoon				
	Natural Water Body:	✓	Continuous Discharge (land or water):	✓			
	Seasonal Discharge:		Wetlands Treatment:		Trench:		

Solid Waste	Owner/Operator:	Hamlet of Aklavik					
	Landfill:	✓	Burn & Landfill:	No longer permitted		Other:	

Indicate:	A - Acceptable	U - Unacceptable	N/A - Not Applicable	N/I - Not Inspected			
Discharge Quality:	U <sup>1</sup>	Construction:	N/A	Disch. Meas. Dev.	N/A	Freeboard:	N/A
Decant Structures:	A	O&M Plan:	U	Dams, Dykes:	N/A	Seepages:	N/A
Dyke Inspections:	N/A	A&R Plan:	N/A	Erosion:	N/A	Spills:	No 2004 reported spills on file

Periods of Discharge:	Continuous	Effluent Discharge Rate:	Natural Outflow.
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Concerns:

1. Annual Report was not submitted for 2003. Consequently SNP monitoring data and discharge quality is not known. Upon review of previous annual reports SNP data has historically not been included.
2. Considerable wind blow debris escaping (especially plastic bags) from the Solid Waste Disposal Site (SWDS)(Figure 6).
3. Poor segregation of waste at the SWDS (figure 8). Please ensure designated and identified areas exist for public guidance. The signs should include not limited to domestic waste, waste tires, waste appliances, bulky metal wastes, waste wood, snowmobiles, empty drums, etc.
4. Numerous lead acid batteries in and around the landfill (especially the bulky waste disposal area). This material should be segregated and stored in a designated area (i.e. the hazardous wastes storage area).
5. Sign for hazardous wastes storage area reads "Dangerous Goods Buried"(figure 7). Consultation indicated that asbestos materials were buried to the north of the hazardous wastes storage area. It is my understanding that no other hazardous wastes have been buried at this location.
6. No bermed (engineered) hazardous wastes disposal area. As with other communities these areas are becoming permanent storage areas. Please ensure efforts are made to dispose of this material appropriately. Long term storage of this material is not recommended.
7. Bulky Metal Waste disposal Area, as indicated in the 2000 Inspection report, contains other wastes (batteries, tires, wood debris, etc).

Notes:

- Currently only 2-3 people still using the honey bag pit located at the SWDS. Sign Posted
- Open burning was occurring during the inspection (Figure 5). Material mainly consisted of wood debris but did contain minor amounts of other garbage (domestic).
- Currently understood that waste volume measurements (Part A, section 6) are monitored by the truckload.
- Facilities are posted and identified.
- SAO indicated that a screen was installed at the outflow of the sewage lagoon (Part B3).

**FUEL STORAGE – N/A**

**SURVEILLANCE NETWORK PROGRAM – Figure 4 attached**

Samples Collected (Hamlet)	-SAO indicated that samples are taken in the spring and fall at SNP 570-3.		
(DIAND)	-Samples collected at 570-4 (Sewage Lagoon Inflow)(Figure 4). -Raw Water sample collected inside Water Treatment building (Figure 1) -All results pending		
Signs Posted: SNP	-SNP station 570-4 is posted (figure 4) but is not listed in the Water Licence. Only one SNP Station 570-3 required and is for the point of outflow from the sewage lagoon. Upon consultation with the SAO this SNP site is only accessible by boat (open water months) and is posted.	Warning	ID Signs posted but no direct Warnings seen.
Records & Reporting:	-2004 Annual Reports not completed. Hamlet was reminded that the report was due March 31, 2004. -2003 Annual Report did not include SNP data and is therefore incomplete. Please ensure that all sections of Annual Report requirements as indicated in Part A, section 3 (a through e) are addressed. <b>-O &amp; M Plan was due December 30, 1999.</b> The latest O & M Plan currently at this office is dated 1985 and was produced by AESL of Alberta. This Plan was approved in 1995 by the NWT Water Board.		
Geotechnical Inspection	N/A		

**Concerns:**

1. Unclear if SNP sampling has been conducted as it has historically not been reported in the Annual Reports. As indicated by the SAO this sampling has been conducted in 2004.

**Notes:** No notes.

<b>Non-Compliance / Violations of Act of Licence:</b>	<ol style="list-style-type: none"> <li>1. Part A, section 3, Annual Report not submitted.</li> <li>2. Part B, section 8. O &amp; M Plan due December 30, 1999.</li> <li>3. SNP Part D. No SNP data submitted.</li> </ol>
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**General / Additional Inspection Comments:**

- New SAO (Eugene Pascal) replaced Nellie Gruben.
- Went over Water Licence in detail to ensure that Hamlet was familiar and understood the terms and conditions of Hamlets Water Licence.
- Please review Part B, section 7 as it pertains to the SWDS.

Additional Comments Attached:	Yes	No	X
Figures Attached:	Yes	X	No

<b>Inspectors Name</b> Kevin R. Glowa Water Resource Officer	<b>Inspectors Signature</b>
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